

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|--|--------------------|---------------------|
| - | 1 | armstrong-brad.in. | USPAT; EPO; JPO | 2002/09/16 11:16 |
| - | 19 | armstrong-brad-a.in. | USPAT; EPO; JPO | 2002/09/18 13:59 |
| - | 5 | ("6222525" "5589828" "6343991" "6102802" "5565891").pn. | USPAT; EPO; JPO | 2002/09/18 13:14 |
| - | 5 | ("6222525" "5589828" "6343991" "6102802" "5565891").pn. | USPAT; EPO; JPO | 2002/09/16 15:05 |
| - | 2 | (("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and bi\$1directional near3 sensor | USPAT; EPO; JPO | 2002/09/17 09:53 |
| - | 0 | (("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and rotary near potentiometer\$1 | USPAT; EPO; JPO | 2002/09/16 15:07 |
| - | 1 | (("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and rotary near4 potentiometer\$1 | USPAT; EPO; JPO | 2002/09/16 15:07 |
| - | 2 | (("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and "bi-directional" near3 sensor | USPAT; EPO; JPO | 2002/09/16 15:10 |
| - | 1 | (("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and unidirectional near3 sensors | USPAT; EPO; JPO | 2002/09/16 15:12 |
| - | 3 | (("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and perpendicular near3 axes | USPAT; EPO; JPO | 2002/09/16 15:13 |
| - | 0 | (("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and "two mutually perpendicular near3 axes" | USPAT; EPO; JPO | 2002/09/16 15:13 |
| - | 0 | (("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and "three mutually perpendicular near3 axes" | USPAT; EPO; JPO | 2002/09/16 15:14 |
| - | 0 | (("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and "three mutually perpendicular axes" | USPAT; EPO; JPO | 2002/09/16 15:14 |
| - | 3 | (("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and "three mutually perpendicular axes" | USPAT; EPO; JPO | 2002/09/16 15:14 |
| - | 0 | (("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and "two mutually perpendicular axes" | USPAT; EPO; JPO | 2002/09/16 15:14 |
| - | 19 | armstrong-brad-a.in. | USPAT; EPO; JPO | 2002/09/16 15:15 |
| - | 2 | armstrong-brad-a.in. and "bi-directional sensors" | USPAT; EPO; JPO | 2002/09/16 15:17 |
| - | 1 | armstrong-brad-a.in. and "rotary potentiometers" | USPAT; EPO; JPO | 2002/09/16 15:18 |
| - | 9 | armstrong-brad-a.in. and "potentiometers" | USPAT; EPO; JPO | 2002/09/16 15:18 |

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| - | 106 | ("5200597" "5207426" "5287089" "5311779" "5315204" "5364108" "5365494" "5376913" "5396235" "5440237" "5457478" "5640566" "5670955" "5673237" "5675329" "5689285" "5764219" "5778404" "5790102" "5847305" "5565891" "5589828" "5999084" "6102802" "6135886" "6198473" "6208271" "6222525" "3611068" "3806471" "3952173" "3988556" "4224602" "4313113" "4315238" "4552360" "4673919" "4786895" "4866542" "5164697" "5854624" "5883619" "5889236" "5895471" "5948066" "5910798" "5943044" "5974238" "5995026" "6020884" "6049812" "6118979" "6157935" "6185158" "5510812" "4246452" "4469330" "5898359" "5550339" "5847639" "5867808" "5287089" "5132658" "5196782" "4975676" "4694231" "4615252" "4301337" "4314228" "4315238" "4268815" "4276538" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4469330" "4246452" "5565891" "4555960" "4924216" "4933670" "5065146" "5128671" "5237311" "5293158" "5293158" "5298919" "5329276" "2430284" "3693425" "3921445" "4099409" "4216467" "4297542" "4348142" "4369663" "4414537" "4536746" "4555960" "4670743" "4684089" "4811608" "4855704" "4910503" "4935728" "5128671" "5142931" "5168221" "5189355" "5252952" "5329276" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4246452" "4469330").pn. | USPAT; EPO; JPO | 2002/09/16 15:22 |
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| - | 0 | <p>(("5200597" "5207426" "5287089" "5311779" "5315204" "5364108" "5365494" "5376913" "5396235" "5440237" "5457478" "5640566" "5670955" "5673237" "5675329" "5689285" "5764219" "5778404" "5790102" "5847305" "5565891" "5589828" "5999084" "6102802" "6135886" "6198473" "6208271" "6222525" "3611068" "3806471" "3952173" "3988556" "4224602" "4313113" "4315238" "4552360" "4673919" "4786895" "4866542" "5164697" "5854624" "5883619" "5889236" "5895471" "5948066" "5910798" "5943044" "5974238" "5995026" "6020884" "6049812" "6118979" "6157935" "6185158" "5510812" "4246452" "4469330" "5898359" "5550339" "5847639" "5867808" "5287089" "5132658" "5196782" "4975676" "4694231" "4615252" "4301337" "4314228" "4315238" "4268815" "4276538" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4469330" "4246452" "5565891" "4555960" "4924216" "4933670" "5065146" "5128671" "5237311" "5293158" "5293158" "5298919" "5329276" "2430284" "3693425" "3921445" "4099409" "4216467" "4297542" "4348142" "4369663" "4414537" "4536746" "4555960" "4670743" "4684089" "4811608" "4855704" "4910503" "4935728" "5128671" "5142931" "5168221" "5189355" "5252952" "5329276" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4246452" "4469330").pn.) and (circuit near3 board) and (flexible near3 membrane near3 sheet) and (four near3 unidirectional near3 sensor\$1) and (rotary near3 potentiometers) and button\$1 and "on/off" and (pivotal near3 button\$1) and (vibration or vibrating or vibrator)</p> | USPAT; EPO; JPO | 2002/09/16 15:26 |
| - | 0 | <p>((game near4 controller) or joy\$1stick or game\$1pad) and (circuit near3 board) and (flexible near3 membrane near3 sheet) and (four near3 unidirectional near3 sensor\$1) and (rotary near3 potentiometers) and button\$1 and "on/off" and (pivotal near3 button\$1) and (vibration or vibrating or vibrator)</p> | USPAT; EPO; JPO | 2002/09/16 15:28 |
| - | 0 | <p>((game near4 controller) or joy\$1stick or game\$1pad) and (circuit near3 board) and (membrane near3 sheet) and (unidirectional near3 sensor\$1) and (potentiometers) and button\$1 and "on/off" and (pivotal near3 button\$1) and (vibration or vibrating or vibrator)</p> | USPAT; EPO; JPO | 2002/09/16 15:28 |

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|---|---|---|--------------------|---------------------|
| - | 0 | ((game near4 controller) or joy\$1stick or game\$1pad) and (membrane near3 sheet) and (unidirectional near3 sensor\$1) and (potentiometers) and button\$1 and "on/off" and (pivotal near3 button\$1) and (vibration or vibrating or vibrator) | USPAT; EPO; JPO | 2002/09/16 15:28 |
| - | 0 | (("5200597" "5207426" "5287089" "5311779" "5315204" "5364108" "5365494" "5376913" "5396235" "5440237" "5457478" "5640566" "5670955" "5673237" "5675329" "5689285" "5764219" "5778404" "5790102" "5847305" "5565891" "5589828" "5999084" "6102802" "6135886" "6198473" "6208271" "6222525" "3611068" "3806471" "3952173" "3988556" "4224602" "4313113" "4315238" "4552360" "4673919" "4786895" "4866542" "5164697" "5854624" "5883619" "5889236" "5895471" "5948066" "5910798" "5943044" "5974238" "5995026" "6020884" "6049812" "6118979" "6157935" "6185158" "5510812" "4246452" "4469330" "5898359" "5550339" "5847639" "5867808" "5287089" "5132658" "5196782" "4975676" "4694231" "4615252" "4301337" "4314228" "4315238" "4268815" "4276538" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4469330" "4246452" "5565891" "4555960" "4924216" "4933670" "5065146" "5128671" "5237311" "5293158" "5293158" "5298919" "5329276" "2430284" "3693425" "3921445" "4099409" "4216467" "4297542" "4348142" "4369663" "4414537" "4536746" "4555960" "4670743" "4684089" "4811608" "4855704" "4910503" "4935728" "5128671" "5142931" "5168221" "5189355" "5252952" "5329276" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4246452" "4469330").pn.) and (membrane near3 sheet) and (unidirectional near3 sensor\$1) and (potentiometers) and button\$1 and "on/off" and (pivotal near3 button\$1) and (vibration or vibrating or vibrator) | USPAT; EPO; JPO | 2002/09/16 15:29 |

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|---|---|---|--------------------|---------------------|
| - | 0 | <p>(("5200597" "5207426" "5287089" "5311779" "5315204" "5364108" "5365494" "5376913" "5396235" "5440237" "5457478" "5640566" "5670955" "5673237" "5675329" "5689285" "5764219" "5778404" "5790102" "5847305" "5565891" "5589828" "5999084" "6102802" "6135886" "6198473" "6208271" "6222525" "3611068" "3806471" "3952173" "3988556" "4224602" "4313113" "4315238" "4552360" "4673919" "4786895" "4866542" "5164697" "5854624" "5883619" "5889236" "5895471" "5948066" "5910798" "5943044" "5974238" "5995026" "6020884" "6049812" "6118979" "6157935" "6185158" "5510812" "4246452" "4469330" "5898359" "5550339" "5847639" "5867808" "5287089" "5132658" "5196782" "4975676" "4694231" "4615252" "4301337" "4314228" "4315238" "4268815" "4276538" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4469330" "4246452" "5565891" "4555960" "4924216" "4933670" "5065146" "5128671" "5237311" "5293158" "5293158" "5298919" "5329276" "2430284" "3693425" "3921445" "4099409" "4216467" "4297542" "4348142" "4369663" "4414537" "4536746" "4555960" "4670743" "4684089" "4811608" "4855704" "4910503" "4935728" "5128671" "5142931" "5168221" "5189355" "5252952" "5329276" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4246452" "4469330").pn.) and (membrane near3 sheet) and (unidirectional near3 sensor\$1) and (potentiometer\$1) and button\$1 and "on/off" and (pivotal near3 button\$1) and (vibration or vibrating or vibrator)</p> | USPAT; EPO; JPO | 2002/09/16 15:29 |
| - | 0 | ((game near3 controller) or joy\$1stick or game\$1pad or trackball) and (membrane near3 sheet) and (unidirectional near3 sensor\$1) and (potentiometer\$1) and button\$1 and "on/off" and (pivotal near3 button\$1) and (vibration or vibrating or vibrator) | USPAT; EPO; JPO | 2002/09/16 15:29 |
| - | 0 | ("six degrees of freedom") and (membrane near3 sheet) and (unidirectional near3 sensor\$1) and (potentiometer\$1) and button\$1 and "on/off" and (pivotal near3 button\$1) and (vibration or vibrating or vibrator) | USPAT; EPO; JPO | 2002/09/16 15:30 |

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|---|------|---|--------------------|---------------------|
| - | 0 | ("six degrees of freedom") and (membrane near3 sheet) and (unidirectional near3 sensor\$1) and (potentiometer\$1) and button\$1 and "on/off" and (pivotal near3 button\$1) and (vibration or vibrating or vibrator) | USPAT; EPO; JPO | 2002/09/16 15:30 |
| - | 1 | ((("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and unidirection\$4 | USPAT; EPO; JPO | 2002/09/17 09:56 |
| - | 1 | ((("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and uni\$1direction\$4 | USPAT; EPO; JPO | 2002/09/17 09:56 |
| - | 106 | ("5200597" "5207426" "5287089" "5311779" "5315204" "5364108" "5365494" "5376913" "5396235" "5440237" "5457478" "5640566" "5670955" "5673237" "5675329" "5689285" "5764219" "5778404" "5790102" "5847305" "5565891" "5589828" "5999084" "6102802" "6135886" "6198473" "6208271" "6222525" "3611068" "3806471" "3952173" "3988556" "4224602" "4313113" "4315238" "4552360" "4673919" "4786895" "4866542" "5164697" "5854624" "5883619" "5889236" "5895471" "5948066" "5910798" "5943044" "5974238" "5995026" "6020884" "6049812" "6118979" "6157935" "6185158" "5510812" "4246452" "4469330" "5898359" "5550339" "5847639" "5867808" "5287089" "5132658" "5196782" "4975676" "4694231" "4615252" "4301337" "4314228" "4315238" "4268815" "4276538" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4469330" "4246452" "5565891" "4555960" "4924216" "4933670" "5065146" "5128671" "5237311" "5293158" "5293158" "5298919" "5329276" "2430284" "3693425" "3921445" "4099409" "4216467" "4297542" "4348142" "4369663" "4414537" "4536746" "4555960" "4670743" "4684089" "4811608" "4855704" "4910503" "4935728" "5128671" "5142931" "5168221" "5189355" "5252952" "5329276" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4246452" "4469330").pn. | USPAT; EPO; JPO | 2002/09/17 10:47 |
| - | 2180 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) and ((six near3 degree\$1 near3 freedom) or 3\$1D or (yaw and pitch and roll)) | USPAT; EPO; JPO | 2002/12/11 16:38 |

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| - | 18 | ("5200597" "5207426" "5287089" "5311779" "5315204" "5364108" "5365494" "5376913" "5396235" "5440237" "5457478" "5640566" "5670955" "5673237" "5675329" "5689285" "5764219" "5778404" "5790102" "5847305" "5565891" "5589828" "5999084" "6102802" "6135886" "6198473" "6208271" "6222525" "3611068" "3806471" "3952173" "3988556" "4224602" "4313113" "4315238" "4552360" "4673919" "4786895" "4866542" "5164697" "5854624" "5883619" "5889236" "5895471" "5948066" "5910798" "5943044" "5974238" "5995026" "6020884" "6049812" "6118979" "6157935" "6185158" "5510812" "4246452" "4469330" "5898359" "5550339" "5847639" "5867808" "5287089" "5132658" "5196782" "4975676" "4694231" "4615252" "4301337" "4314228" "4315238" "4268815" "4276538" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4469330" "4246452" "5565891" "4555960" "4924216" "4933670" "5065146" "5128671" "5237311" "5293158" "5293158" "5298919" "5329276" "2430284" "3693425" "3921445" "4099409" "4216467" "4297542" "4348142" "4369663" "4414537" "4536746" "4555960" "4670743" "4684089" "4811608" "4855704" "4910503" "4935728" "5128671" "5142931" "5168221" "5189355" "5252952" "5329276" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4246452" "4469330").pn.) and ((six near3 degree\$1 near3 freedom) or 3\$1D or (yaw and pitch and roll)) | USPAT; EPO; JPO | 2002/09/17 10:54 |
| - | 1856 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) and ((six near3 degree\$1 near3 freedom) or 3D or 3-D or (yaw and pitch and roll)) | USPAT; EPO; JPO | 2002/09/17 11:01 |

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| - | 16 | (("5200597" "5207426" "5287089" "5311779" "5315204" "5364108" "5365494" "5376913" "5396235" "5440237" "5457478" "5640566" "5670955" "5673237" "5675329" "5689285" "5764219" "5778404" "5790102" "5847305" "5565891" "5589828" "5999084" "6102802" "6135886" "6198473" "6208271" "6222525" "3611068" "3806471" "3952173" "3988556" "4224602" "4313113" "4315238" "4552360" "4673919" "4786895" "4866542" "5164697" "5854624" "5883619" "5889236" "5895471" "5948066" "5910798" "5943044" "5974238" "5995026" "6020884" "6049812" "6118979" "6157935" "6185158" "5510812" "4246452" "4469330" "5898359" "5550339" "5847639" "5867808" "5287089" "5132658" "5196782" "4975676" "4694231" "4615252" "4301337" "4314228" "4315238" "4268815" "4276538" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4469330" "4246452" "5565891" "4555960" "4924216" "4933670" "5065146" "5128671" "5237311" "5293158" "5293158" "5298919" "5329276" "2430284" "3693425" "3921445" "4099409" "4216467" "4297542" "4348142" "4369663" "4414537" "4536746" "4555960" "4670743" "4684089" "4811608" "4855704" "4910503" "4935728" "5128671" "5142931" "5168221" "5189355" "5252952" "5329276" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4246452" "4469330").pn.) and ((six near3 degree\$1 near3 freedom) or 3D or 3-D or (yaw and pitch and roll)) | USPAT; EPO; JPO | 2002/09/17 10:56 |
| - | 162 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) and ((six near3 degree\$1 near3 freedom) or 3D or 3-D or (yaw and pitch and roll)) and (vibrator or vibration or vibrating) | USPAT; EPO; JPO | 2002/09/17 11:01 |
| - | 5 | ("6222525" "5589828" "6343991" "6102802" "5565891").pn. | USPAT; EPO; JPO | 2002/09/18 13:48 |
| - | 1 | ((("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and pivot\$4 near3 button\$1 | USPAT; EPO; JPO | 2002/09/18 13:17 |
| - | 0 | ((("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and pivot\$4 adj button\$1 | USPAT; EPO; JPO | 2002/09/18 13:17 |
| - | 0 | ((("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and pivot\$4 near button\$1 | USPAT; EPO; JPO | 2002/09/18 13:17 |
| - | 4 | ((("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and "on/off" | USPAT; EPO; JPO | 2002/09/18 13:42 |
| - | 4 | ((("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and pivotal\$3 | USPAT; EPO; JPO | 2002/09/18 13:42 |

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|---|----|--|---|---------------------|
| - | 0 | (("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and "pivotal second button" | USPAT; EPO; JPO | 2002/09/18 13:49 |
| - | 19 | armstrong-brad-a.in. | USPAT; EPO; JPO | 2002/09/18 13:50 |
| - | 0 | armstrong-brad-a.in. and (pivotal near2 button) | USPAT; EPO; JPO | 2002/09/18 13:50 |
| - | 4 | armstrong-brad-a.in. and (pivot\$4 near2 button) | USPAT; EPO; JPO | 2002/09/18 13:58 |
| - | 33 | armstrong-brad-a.in. | USPAT; US-PGPUB; EPO; JPO | 2002/10/28 11:14 |
| - | 1 | armstrong-brad.in. | USPAT; US-PGPUB; EPO; JPO | 2002/09/18 14:02 |
| - | 33 | armstrong-brad-a.in. | USPAT; US-PGPUB; EPO; JPO | 2002/10/23 17:56 |
| - | 6 | (3-D or 3D) with vibrat\$5 with controller | USPAT; US-PGPUB; EPO; JPO | 2002/09/18 14:05 |
| - | 36 | armstrong-brad-a.in. | USPAT; US-PGPUB; EPO; JPO | 2002/10/23 17:56 |
| - | 36 | armstrong-brad-a.in. | USPAT; US-PGPUB; EPO; JPO | 2002/10/28 11:14 |
| - | 10 | ("6222525" "5589828" "6343991" "6102802" "5565891").pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/09 10:42 |
| - | 0 | (("6222525" "5589828" "6343991" "6102802" "5565891").pn.) and unidirection | USPAT; EPO; JPO | 2002/12/10 13:32 |
| - | 5 | ("6222525" "5589828" "6343991" "6102802" "5565891").pn. | USPAT; EPO; JPO | 2002/12/10 14:07 |
| - | 36 | armstrong-brad-a.in. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/10 14:08 |
| - | 22 | armstrong-brad-a.in. | USPAT; EPO; JPO; DERWENT | 2002/12/10 15:55 |
| - | 36 | armstrong-brad-a.in. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/10 15:56 |
| - | 14 | armstrong-brad-a.in. not armstrong-brad-a.in. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/10 15:56 |

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|---|---------|---|---|---------------------|
| - | 1038540 | mouse or trackball or joystick or controller | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 16:07 |
| - | 238229 | (3\$1D or 6DOF or (six near3 degrees near3 freedom)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 16:03 |
| - | 7738 | (mouse or trackball or joystick or controller) same ((3\$1D or 6DOF or (six near3 degrees near3 freedom))) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 16:06 |
| - | 0 | four near3 unidirectional near3 sensor\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 16:05 |
| - | 28 | ((mouse or trackball or joystick or controller) same ((3\$1D or 6DOF or (six near3 degrees near3 freedom)))) and yaw and pitch and row | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 16:08 |
| - | 147021 | mouse or trackball or joystick or (game near3 controller) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 16:07 |
| - | 12 | (mouse or trackball or joystick or (game near3 controller)) and ((3\$1D or 6DOF or (six near3 degrees near3 freedom))) and (((mouse or trackball or joystick or controller) same ((3\$1D or 6DOF or (six near3 degrees near3 freedom)))) and yaw and pitch and row) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 16:08 |
| - | 16814 | (mouse or trackball or joystick or (game near3 controller)) and ((3\$1D or 6DOF or (six near3 degrees near3 freedom))) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 16:08 |
| - | 49 | ((mouse or trackball or joystick or (game near3 controller)) and ((3\$1D or 6DOF or (six near3 degrees near3 freedom)))) and yaw and pitch and row | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 16:08 |
| - | 3036 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) and ((six near3 degree\$1 near3 freedom) or 6\$1DOF or 3\$1D or (yaw and pitch and roll)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 17:31 |
| - | 3036 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) and ((six near3 degree\$1 near3 freedom) or 6\$1DOF or 3\$1D or (yaw and pitch and roll)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/15 20:10 |
| - | 0 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) and ((six near3 degree\$1 near3 freedom) or 6\$1DOF or 3\$1D or (yaw and pitch and roll))) and uni\$1direction near3 sensor\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 17:38 |

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|---|------|---|---|---------------------|
| - | 0 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) and ((six near3 degree\$1 near3 freedom) or 6\$1DOF or 3\$1D or (yaw and pitch and roll))) and uni\$1directiona near3 sensor\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 17:38 |
| - | 3 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) and ((six near3 degree\$1 near3 freedom) or 6\$1DOF or 3\$1D or (yaw and pitch and roll))) and uni\$1direction\$2 near3 sensor\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 17:41 |
| - | 1244 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) and ((six near3 degree\$1 near3 freedom) or 6\$1DOF or 3\$1D or (yaw and pitch and roll))) and sensor\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 17:42 |
| - | 670 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) and ((six near3 degree\$1 near3 freedom) or 6\$1DOF or 3\$1D or (yaw and pitch and roll))) and sensor\$1) and button\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 17:49 |
| - | 2 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) and ((six near3 degree\$1 near3 freedom) or 6\$1DOF or 3\$1D or (yaw and pitch and roll))) and sensor\$1) and pivotal near3 button\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 17:48 |
| - | 2 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) and ((six near3 degree\$1 near3 freedom) or 6\$1DOF or 3\$1D or (yaw and pitch and roll))) and sensor\$1) and pivotal\$4 near3 button\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 17:48 |
| - | 215 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) and ((six near3 degree\$1 near3 freedom) or 6\$1DOF or 3\$1D or (yaw and pitch and roll))) and sensor\$1) and button\$1) and tactile | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/11 17:56 |

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|---|--------|---|---|---------------------|
| - | 106 | ("5200597" "5207426" "5287089" "5311779" "5315204" "5364108" "5365494" "5376913" "5396235" "5440237" "5457478" "5640566" "5670955" "5673237" "5675329" "5689285" "5764219" "5778404" "5790102" "5847305" "5565891" "5589828" "5999084" "6102802" "6135886" "6198473" "6208271" "6222525" "3611068" "3806471" "3952173" "3988556" "4224602" "4313113" "4315238" "4552360" "4673919" "4786895" "4866542" "5164697" "5854624" "5883619" "5889236" "5895471" "5948066" "5910798" "5943044" "5974238" "5995026" "6020884" "6049812" "6118979" "6157935" "6185158" "5510812" "4246452" "4469330" "5898359" "5550339" "5847639" "5867808" "5287089" "5132658" "5196782" "4975676" "4694231" "4615252" "4301337" "4314228" "4315238" "4268815" "4276538" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4469330" "4246452" "5565891" "4555960" "4924216" "4933670" "5065146" "5128671" "5237311" "5293158" "5293158" "5298919" "5329276" "2430284" "3693425" "3921445" "4099409" "4216467" "4297542" "4348142" "4369663" "4414537" "4536746" "4555960" "4670743" "4684089" "4811608" "4855704" "4910503" "4935728" "5128671" "5142931" "5168221" "5189355" "5252952" "5329276" "3771037" "4733214" "5103404" "5189355" "5203563" "5510812" "4246452" "4469330").pn. | USPAT; EPO; JPO | 2002/12/11 19:19 |
| - | 5702 | 345/156-172.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 13:38 |
| - | 242332 | (3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/14 22:38 |
| - | 598999 | vibrat\$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/14 22:39 |
| - | 396 | 345/156-172.ccls. and vibrat\$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 13:45 |

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|---|-------|--|---|--|
| - | 251 | (345/156-172.ccls. and vibrat\$5) not (345/156-172.ccls. and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) and vibrat\$5) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 13:46 |
| - | 145 | 345/156-172.ccls. and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) and vibrat\$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 14:23 |
| - | 13655 | (game or television ot TV) near6 controller | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 14:24 |
| - | 475 | vibrat\$5 and ((game or television ot TV) near6 controller) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 14:24 |
| - | 110 | (vibrat\$5 and ((game or television ot TV) near6 controller)) and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 14:29 |
| - | 0 | 6310606.URPN. | USPAT | 2002/12/13 14:26 |
| - | 60 | ("D342740" "3611068" "3771037" "3806471" "3952173" "3988556" "4224602" "4313113" "4315238" "4552360" "4673919" "4733214" "4786895" "4866542" "5103404" "5164697" "5189355" "5200597" "5203563" "5207426" "5287089" "5311779" "5315204" "5364108" "5365494" "5376913" "5396235" "5440237" "5457478" "5565891" "5589828" "5640566" "5670955" "5673237" "5675329" "5689285" "5764219" "5778404" "5790102" "5847305" "5854624" "5883619" "5889236" "5895471" "5910798" "5943044" "5948066" "5974238" "5995026" "5999084" "6020884" "6049812" "6102802" "6118979" "6135886" "6157935" "6185158" "6198473" "6208271" "6222525").PN. | USPAT USPAT | 2002/12/13 14:26 2002/12/13 14:26 |

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|---|------|---|---|---------------------|
| - | 242 | unidirection\$3 near4 sensor\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 14:29 |
| - | 4 | ((game or television ot TV) near6 controller) and (unidirection\$3 near4 sensor\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 14:30 |
| - | 16 | (unidirection\$3 near4 sensor\$1) and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 14:39 |
| - | 9 | ("3806471" "4555960" "4879556" "5231386" "5298919" "5467108" "5565891" "5889507" "5898425").PN. | USPAT | 2002/12/13 14:31 |
| - | 31 | 5565891.URPN. | USPAT | 2002/12/13 14:31 |
| - | 60 | ("D342740" "3611068" "3771037" "3806471" "3952173" "3988556" "4224602" "4313113" "4315238" "4552360" "4673919" "4733214" "4786895" "4866542" "5103404" "5164697" "5189355" "5200597" "5203563" "5207426" "5287089" "5311779" "5315204" "5364108" "5365494" "5376913" "5396235" "5440237" "5457478" "5565891" "5589828" "5640566" "5670955" "5673237" "5675329" "5689285" "5764219" "5778404" "5790102" "5847305" "5854624" "5883619" "5889236" "5895471" "5910798" "5943044" "5948066" "5974238" "5995026" "5999084" "6020884" "6049812" "6102802" "6118979" "6135886" "6157935" "6185158" "6198473" "6208271" "6222525").PN. | USPAT | 2002/12/13 14:35 |
| - | 102 | 5589828.URPN. | USPAT | 2002/12/13 14:36 |
| - | 3515 | tactile near5 feedback | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 20:03 |
| - | 326 | 345/156-172.ccls. and (tactile near5 feedback) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 14:39 |

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|---|--------|---|---|---------------------|
| - | 556 | ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) and (tactile near5 feedback) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 14:39 |
| - | 160 | 345/156-172.ccls. and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) and (tactile near5 feedback) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 14:44 |
| - | 19 | ("3814871" "4868353" "4910503" "4982618" "5221093" "5270689" "5283401" "5504286" "5521617" "5563630" "5563631" "5899204" "5912663" "5914703" "5936613" "5956016" "5963197" "5982355" "6005299").PN. | USPAT | 2002/12/13 14:41 |
| - | 0 | 6225980.URPN. | USPAT | 2002/12/13 14:42 |
| - | 266 | (345/156-172.ccls. and (tactile near5 feedback)) not (((game or television ot TV) near6 controller) and (tactile near5 feedback)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 20:09 |
| - | 382 | ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) and (tactile near5 feedback)) not ((345/156-172.ccls. and (tactile near5 feedback)) or (((game or television ot TV) near6 controller) and (tactile near5 feedback))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/13 14:49 |
| - | 0 | 74/471.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/14 22:38 |
| - | 860 | 74/471XY.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/14 22:38 |
| - | 242332 | (3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 20:02 |

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|---|--------|---|---|---------------------|
| - | 598999 | vibrat\$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:06 |
| - | 79 | 74/471XY.ccls. and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/14 22:44 |
| - | 10 | vibrat\$5 and (74/471XY.ccls. and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:03 |
| - | 1496 | 200/5R.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:03 |
| - | 876 | 200/6R.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:03 |
| - | 4155 | (200/9 200/40-41 200/50.32-50.37 200/61.45R 200/61.46 200/61.53 200/512 200/518-519 200/520-521 200/530 200/564).ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:06 |
| - | 563 | (200/520-521).ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:06 |
| - | 242332 | (3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:09 |
| - | 598999 | vibrat\$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:12 |
| - | 39 | 200/5R.ccls. and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:12 |

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|---|------|--|---|---------------------|
| - | 12 | 200/6R.ccls. and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:16 |
| - | 70 | ((200/9 200/40-41 200/50.32-50.37 200/61.45R 200/61.46 200/61.53 200/512 200/518-519 200/520-521 200/530 200/564).ccls.) and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:16 |
| - | 11 | ((200/520-521).ccls.) and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:20 |
| - | 4 | ("5589828" "4246452").pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:24 |
| - | 527 | 200/6A.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:24 |
| - | 50 | 200/6A.ccls. and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:29 |
| - | 4347 | 341/20-35.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:30 |
| - | 26 | (341/20-35.ccls. and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom)))) and vibrat\$5 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:30 |
| - | 201 | 341/20-35.ccls. and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 12:31 |
| - | 13 | 5271290.URPN. | USPAT | 2002/12/15 16:35 |
| - | 36 | 4962448.URPN. | USPAT | 2002/12/15 16:35 |

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|---|--------|--|---|---------------------|
| - | 93 | 5142931.URPN. | USPAT | 2002/12/15 16:37 |
| - | 242332 | (3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 20:05 |
| - | 3515 | tactile near5 feedback | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 20:05 |
| - | 556 | ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) and (tactile near5 feedback) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 20:05 |
| - | 420 | ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) and (tactile near5 feedback)) not immersion | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 20:06 |
| - | 114 | ((game or television ot TV) near6 controller) and (tactile near5 feedback) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 20:11 |
| - | 22860 | ((game near3 controller) or joystick or game\$1pad or track\$1ball) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2002/12/15 20:11 |
| - | 13655 | ((game or television ot TV) near6 controller) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 20:11 |
| - | 5780 | ((game near3 controller) or joystick or game\$1pad or track\$1ball)) and (((game or television ot TV) near6 controller)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 20:11 |
| - | 49 | ((game near3 controller) or joystick or game\$1pad or track\$1ball)) and (((game or television ot TV) near6 controller))) and ((3\$1D or (three near3 degrees near3 freedom) or ("3" near3 degrees near3 freedom) or (6\$1DOF) or (six near3 degrees near3 freedom) or ("6" near3 degrees near3 freedom))) and (tactile near5 feedback) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2002/12/15 21:20 |

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| - | 2 | 5589828.pn. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT | 2002/12/15 21:20 |
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